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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/647,284	09/27/2000	Ceki Gulcu	CH9-1999-002	5785

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EXAMINER

SON, LINH L D

ART UNIT	PAPER NUMBER
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2135

DATE MAILED: 03/29/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 09/647,284	Applicant(s) GULCU, CEKI	
	Examiner Linh Son	Art Unit 2135	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 17 August 2004.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-10, 19, 22 and 23 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 11-18 is/are allowed.
- 6) ☒ Claim(s) 1-10, 19, 22 and 23 is/are rejected.
- 7) ☐ Claim(s) 20-21, and 24-25 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

This written action is responding to the amendment filed on August 11th, 2004.

Claims 1-11, and 14-25 are pending. Claims 12-13 are cancelled.

Information Disclosure Statement

1. The information disclosure statement filed 08/04/2003 fails to comply with 37 CFR 1.98(a)(1), which requires the following: (1) a list of all patents, publications, applications, or other information submitted for consideration by the Office; (2) U.S. patents and U.S. patent application publications listed in a section separately from citations of other documents; (3) the application number of the application in which the information disclosure statement is being submitted on each page of the list; (4) a column that provides a blank space next to each document to be considered, for the examiner's initials; and (5) a heading that clearly indicates that the list is an information disclosure statement. The information disclosure statement has been placed in the application file, but the information referred to therein has not been considered.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 1, and 3-9 are rejected under 35 U.S.C. 102(b) as being anticipated by Lee, US Patent No. 5204663.

4. As per claims 1 and 9, Lee teaches an access control system with a plurality of locks and keys (Col 3 lines 30-35), at least part of said locks and keys having memory (Col 4 lines 56-58, and Col 3 lines 48-51), said access control system comprising: said memory of a key being equipped to receive and store information concerning any access rights of said key (Col 3 lines 48-51, access code to access doors and Col 5 lines 1-15) and information designated for other keys and locks (Col 6 lines 38-40); said memory of a lock being equipped to receive and store information concerning any access rights of said lock (Col 4 lines 56-67 and Col 6 lines 1-6) and information designated for other keys and locks (Col 6 lines 10-17, log of other keys and locks); means for exchanging said information between locks and keys (Col 3 lines 30-40) and a confirmation message producible by an n-th lock or key (Col 5 lines 39-48, by nth lock), the confirmation message acknowledging reception of an original message (Col 5 lines 39-48, new maid access code) which confirmation message servers to control erasing of copies of the original message in the memories of the locks and keys (Col 5 lines 1-48, new code or (original code) replaced all codes access by the maids in the memory of the locks and if the revoke key cards are inserted, the card will be deactivate or erased (Col 5 lines 28-34)).

5. As per claim 3, Lee teaches "The access control system according to claim 1, wherein the memory in the key and the lock stores at least a partial view of the system, and the exchanging means triggers an update of said view" in (Col 6 lines 7-18, logs of the lock and key system).

6. As per claim 4, Lee teaches "The access control system according to claim 3, wherein the update triggered by the exchanging means is performed off-line, particularly right after said exchanging means has completed its function" in (Col 6 lines 7-18).

7. As per claim 5, Lee teaches "The access control system according to claim 1, wherein the information designated for other keys and locks includes one or more messages for said other keys and locks and is exchanged off-line between a key and a lock" in (Col 6 lines 7-18).

8. As per claim 6, Lee teaches "The access control system according to claim 1, wherein the means for exchanging information between a lock and a key are activated when said key is engaged with said lock" in (Col 6 line 64 to Col 7 line 18, and Col 6 line 48-50).

9. As per claim 7, Lee teaches "A key for use in an access control system according to claim 1, wherein the memory includes a read/write section dedicated to the information designated for other keys and locks" in (Col 7 lines 35-67).

10. As per claim 8, Lee teaches "The key according to claim 17, further comprising: a power source, preferably being rechargeable when said key is used with a lock" in (Col 8 line 45 to Col 9 line 2).

Claim Rejections - 35 USC § 103

11. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

12. Claims 19, 22, and 23 are rejected under 35 U.S.C. 103(a) as being unpatentable over Lee.

13. As per claim 19, Lee teaches "A computer readable program embodied in a storage media including computer readable program instructions for controlling propagation of information in an electronic lock-and-key system, said storage media comprising: computer readable program instructions to store an original message to be prorogated to an n-th lock or key in a memory of a first lock (Col 5 lines 38-46, new access codes upload to the maid's card); computer readable program instructions to control when a first key is used with said first lock, said original message is copied into said first key's memory, but remains in said first lock's memory (Col 4 lines 55-60); computer readable program instructions to control when a first key is used with a

Art Unit: 2135

second lock, said original message is copied into said second lock's memory, but remains in said first key's memory (Col 4 lines 55-60); and computer readable program instructions to control when a second key is used with said second lock, said original message is copied into said second key's memory, said original message remains in said second lock's memory (Col 4 lines 55-68, multiple card sharing the same room would get the same primary access codes which is the original message). However, Lee does not teach other scenario where the said original message is propagated to said n-th lock or key. Nevertheless, Lee does teach of a capability of having multi guests sharing one room or multiple rooms (Col 4 lines 56-69). Therefore, it would have been obvious for one having ordinary skill in the art to realize that the original message (primary access code) will be copied to the n-th room or key where n-th room or key is the number of room are shared by number of people.

14. As per claim 22, Lee teaches "The storage media of claim 19, further comprising computer readable program instructions for selectively or universally erasing copies of said original message after a time-out" in (Col 6 lines 1-7).

15. As per claim 23, Lee teaches "The storage media of claim 19, further comprising computer readable program instruction for ordering said original messages and confirmation messages" in (Col 5 lines 35-38).

16. Claim 2 is rejected under 35 U.S.C. 103(a) as being unpatentable over Lee in view of Hyatt, Jr et al, US Patent No. 6005487, hereinafter "Hyatt".

17. As per claim 2, Lee teaches "the access control system according to claim 1". However, Lee is silent on "the information concerning access rights of a key includes one or more tokens and the information designated for other keys and locks includes one or more messages for said keys and locks". Nevertheless, the use of tokens to authorize access in a lock and key system is taught by Hyatt in (See abstract, encrypted seed number). Therefore, it would have been obvious at the time of the invention was made for one having ordinary skill in the art to modify Lee's invention to incorporate the encryptor to prevent information being read by an authorize person.

Allowable Subject Matter

18. Claims 11-18 are allowed.

19. The following is a statement of reasons for the indication of allowable subject matter:

Claim 11 allowed: prior art of record does not teach "The method of propagating the message by copying the message from first key's or first lock's, respectively and continue copying by the next key until it reaches the destination and acknowledgement of receiving the original message for the destination which servers to control erasing of the copies of the original message in the memories of the locks and keys".

Claims 12-18 are allowed because of dependency.

20. Claims 20-21 and 24-25 objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Response to Amendment

21. Applicant has amended claims 1, 3, 7-11, and 14-18, which necessitated new grounds of rejection. See Rejections above.

Conclusion

22. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any

extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Conclusion

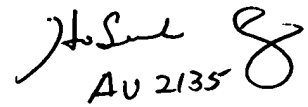
23. Any inquiry concerning this communication from the examiner should be directed to Linh Son whose telephone number is (571)-271-3856.

24. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor Kim Y. Vu can be reached at (571)-272-3859. The fax numbers for this group are (703)-872-9306 (official fax). Any inquiry of general nature or relating to the status of this application or proceeding should be directed to the group receptionist whose telephone number is (571)-272-2100.

25. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval IPAIR.I system. Status information for published applications may be obtained from either Private PMR or Public PMR. Status information for unpublished applications is available through Private PMR only. For more information about the PAIR system, see <http://pzd-direct.uspto.gov>. Should you

Art Unit: 2135

have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Handwritten signature of Linh LD Son, with "AU 2135" written below it.

Linh LD Son

Patent Examiner